

**What Is Claimed Is:**

1           1.    A system of order reexamination in an EDI (electronic  
2   data interchange), comprising:  
3           an EDI server to receive an EDI message;  
4           a message conversion system coupled to the EDI server to  
5                receive the EDI message for conversion to a first  
6                electronic order comprising a plurality of orders,  
7                each having a unique order ID;  
8           an order management system coupled to the message  
9                conversion system to receive the first electronic  
10           order; and  
11           an order reexamination system coupled to the EDI server and  
12                the order management system to receive the EDI message  
13                and the first electronic order, the order  
14                reexamination system comprising:  
15                an order conversion unit to parse the EDI message to  
16                generate a second electronic order group  
17                comprising a plurality of orders, each having a  
18                unique order ID; and  
19                a job scheduling module to compare the first  
20                electronic order group and the second electronic  
21                order group, and generate a notification if the order  
22                IDs in the first electronic order group do not match  
23                the second electronic order group or the quantity of  
24                the orders in the first electronic order group is  
25                different from that of the second electronic order  
26                group.

1           2.    The system of order reexamination in an EDI as claimed  
2    in claim 1 wherein the job scheduling module compares the first  
3    electronic order group and the second electronic order group  
4    within a preset time interval.

1           3.    The system of order reexamination in an EDI as claimed  
2    in claim 2 wherein the job scheduling module further generates  
3    another notification if the first electronic order group is not  
4    received from the order management system.

1           4.    The system of order reexamination in an EDI as claimed  
2    in claim 1 wherein the order conversion unit parses the EDI  
3    message according to a standard EDI format, thereby generating  
4    the second electronic order group.

1           5.    The system of order reexamination in an EDI as claimed  
2    in claim 1 wherein the message conversion server is a GENTRAN  
3    server.

1           6.    The system of order reexamination in an EDI as claimed  
2    in claim 1 wherein the job scheduling module further sends a  
3    signal to suspend the order management system if the order IDs  
4    in the first electronic order group do not match the second  
5    electronic order group or the quantity of the orders in the first  
6    electronic order group is different from that of the second  
7    electronic order group.

1           7.    A method of order reexamination in an EDI (electronic  
2    data interchange), comprising the steps of:  
3           reception of an EDI message by an EDI server;

4 reception of the EDI message from the EDI server, and  
5 conversion of the EDI message into a first electronic  
6 order group by a message conversion system comprising  
7 a plurality of orders, each having a unique order ID;  
8 receipt of the EDI message from the EDI server by an order  
9 reexamination system;  
10 parsing of the EDI message to generate a second electronic  
11 order group by the order reexamination system, in  
12 which the second electronic order group has a  
13 plurality of orders, each having a unique order ID;  
14 and  
15 comparison of the first electronic order group and the  
16 second electronic order group, and generation of a  
17 notification by the order reexamination system if the  
18 order IDs in the first electronic order group do not  
19 match the second electronic order group or the  
20 quantity of the orders in the first electronic order  
21 group is different from that of the second electronic  
22 order group.

1 8. The method of order reexamination in an EDI as claimed  
2 in claim 7 further comprising transfer of the first electronic  
3 order group to an order management system by the message  
4 conversion system, and acquisition of the first electronic order  
5 group from the order management system by the order reexamination  
6 system.

1 9. The method of order reexamination in an EDI as claimed  
2 in claim 8 wherein the first electronic order group and the second  
3 electronic order group are compared within a preset time  
4 interval.

Client's ref.: IAC020100  
Our ref.: 0685-8779-USf/Yianhou/Kevin

1           10. The method of order reexamination in an EDI as claimed  
2           in claim 9 further comprising generation of another notification  
3           by the order reexamination system if the first electronic order  
4           group is not acquired.

1           11. The method of order reexamination in an EDI as claimed  
2           in claim 7 wherein the EDI message is parsed according to a  
3           standard EDI format, thereby generating the second electronic  
4           order group.

1           12. The method of order reexamination in an EDI as claimed  
2           in claim 7 wherein the message conversion server is a GENTRAN  
3           server.

1           13. The method of order reexamination in an EDI as claimed  
2           in claim 8 further comprising sending a signal to suspend the  
3           order management system sent by the order reexamination system  
4           if the order IDs in the first electronic order group do not match  
5           the second electronic order group or the quantity of the orders  
6           in the first electronic order group is different from that of  
7           the second electronic order group.